

10/563,471

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NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40  
minutes  
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source  
(CS) field  
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced  
NEWS 5 AUG 24 CA/CAPLUS enhanced with legal status information for  
U.S. patents  
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in  
CAS REGISTRY  
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM  
thesaurus  
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and  
Taiwanese Content Expanded  
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human  
translated claims for Chinese Applications and  
Utility Models  
NEWS 10 NOV 23 Addition of SCAN format to selected STN databases  
NEWS 11 NOV 23 Annual Reload of IFI Databases  
NEWS 12 DEC 01 FRFULL Content and Search Enhancements  
NEWS 13 DEC 01 DGENE, USGENE, and PCTGEN: new percent identity  
feature for sorting BLAST answer sets  
NEWS 14 DEC 02 Derwent World Patent Index: Japanese FI-TERM  
thesaurus added  
NEWS 15 DEC 02 PCTGEN enhanced with patent family and legal status  
display data from INPADOCDB  
NEWS 16 DEC 02 USGENE: Enhanced coverage of bibliographic and  
sequence information  
NEWS 17 DEC 21 New Indicator Identifies Multiple Basic Patent  
Records Containing Equivalent Chemical Indexing  
in CA/CAPLUS

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,  
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FILE 'HOME' ENTERED AT 13:24:01 ON 11 JAN 2010

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.66

0.66

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FILE 'REGISTRY' ENTERED AT 13:25:35 ON 11 JAN 2010  
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STRUCTURE FILE UPDATES: 10 JAN 2010 HIGHEST RN 1201787-64-5  
DICTIONARY FILE UPDATES: 10 JAN 2010 HIGHEST RN 1201787-64-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when  
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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10563471x.str

L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l1  
SAMPLE SEARCH INITIATED 13:26:01 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 56 TO ITERATE

100.0% PROCESSED 56 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

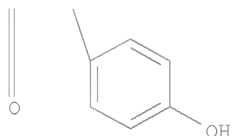
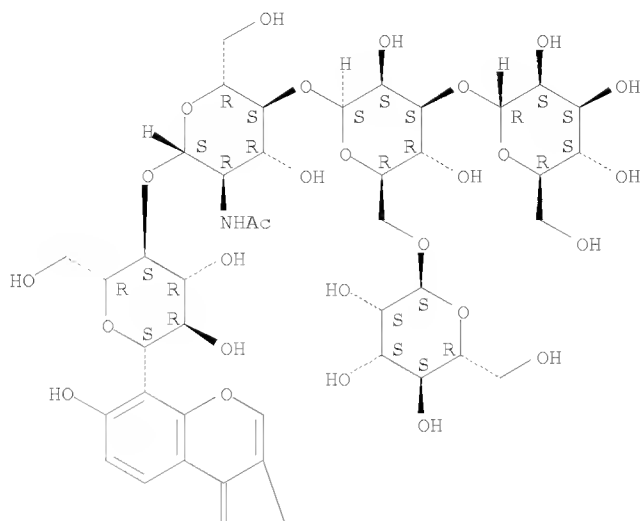
FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 672 TO 1568  
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> d scan

L2 1 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[O- $\alpha$ -D-  
mannopyranosyl-(1 $\rightarrow$ 3)-O-[ $\alpha$ -D-mannopyranosyl-(1 $\rightarrow$ 6)]-O-  
 $\beta$ -D-mannopyranosyl-(1 $\rightarrow$ 4)-O-2-(acetylamino)-2-deoxy- $\beta$ -D-  
glucopyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucopyranosyl]-  
MF C47 H63 N O29

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s 11 full  
 FULL SEARCH INITIATED 13:26:24 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED - 1035 TO ITERATE

100.0% PROCESSED 1035 ITERATIONS  
 SEARCH TIME: 00.00.01

57 ANSWERS

L3 57 SEA SSS FUL L1

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	192.03	192.69

FILE 'CAPLUS' ENTERED AT 13:26:29 ON 11 JAN 2010  
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FILE COVERS 1907 - 11 Jan 2010 VOL 152 ISS 3  
FILE LAST UPDATED: 10 Jan 2010 (20100110/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAPLUS now includes complete International Patent Classification (IPC)  
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> s 13

L4 1728 L3

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.50	193.19

FILE 'REGISTRY' ENTERED AT 13:26:44 ON 11 JAN 2010  
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STRUCTURE FILE UPDATES: 10 JAN 2010 HIGHEST RN 1201787-64-5  
DICTIONARY FILE UPDATES: 10 JAN 2010 HIGHEST RN 1201787-64-5

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d his

(FILE 'HOME' ENTERED AT 13:24:01 ON 11 JAN 2010)

FILE 'REGISTRY' ENTERED AT 13:25:35 ON 11 JAN 2010

L1 STRUCTURE UPLOADED  
L2 1 S L1  
L3 57 S L1 FULL

FILE 'CAPLUS' ENTERED AT 13:26:29 ON 11 JAN 2010

L4 1728 S L3

FILE 'REGISTRY' ENTERED AT 13:26:44 ON 11 JAN 2010

=> d 1-57 13

L3 ANSWER 1 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1196677-60-7 REGISTRY  
ED Entered STN: 09 Dec 2009  
CN 4H-1-Benzopyran-4-one, 8-(4-O- $\beta$ -D-galactopyranosyl- $\beta$ -D-  
glucopyranosyl)-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C27 H30 O14

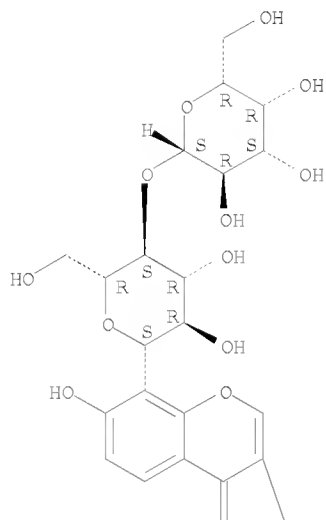
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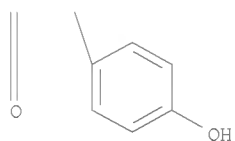
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

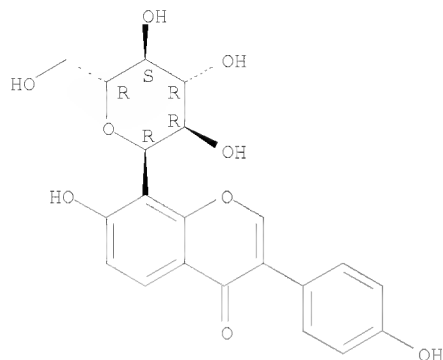
L3 ANSWER 2 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1150314-49-0 REGISTRY  
ED Entered STN: 28 May 2009  
CN 4H-1-Benzopyran-4-one, 8- $\alpha$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)

OTHER NAMES:

CN Neopuerarin  
FS STEREOSEARCH  
MF C21 H20 O9  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

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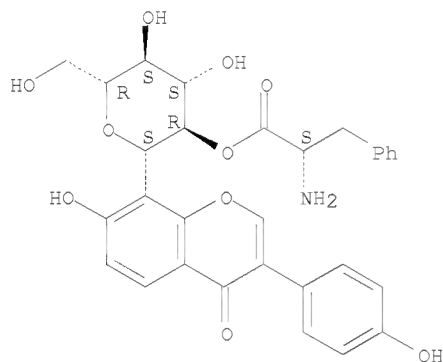


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1116449-00-3 REGISTRY  
ED Entered STN: 06 Mar 2009  
CN L-Phenylalanine, 2'-ester with 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)  
OTHER NAMES:  
CN 4H-1-Benzopyran-4-one, 8-[2-O-[(2S)-2-amino-1-oxo-3-phenylpropyl]- $\beta$ -D-glucopyranosyl]-7-hydroxy-3-(4-hydroxyphenyl)-  
FS STEREOSEARCH  
MF C30 H29 N O10  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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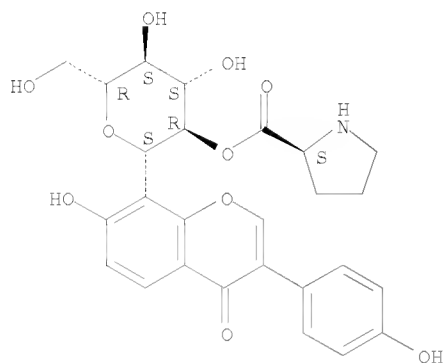
L3 ANSWER 4 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1116448-97-5 REGISTRY  
ED Entered STN: 06 Mar 2009  
CN L-Proline, 2'-ester with 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)  
OTHER NAMES:  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[2-O-[(2S)-2-pyrrolidinylcarbonyl]- $\beta$ -D-glucopyranosyl]-

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FS STEREOSEARCH  
MF C26 H27 N O10  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

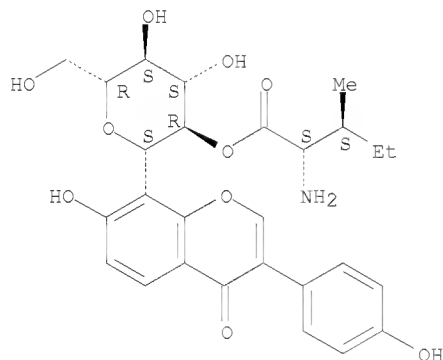


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1116448-95-3 REGISTRY  
ED Entered STN: 06 Mar 2009  
CN L-Isoleucine, 2'-ester with 8-β-D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)  
OTHER NAMES:  
CN 4H-1-Benzopyran-4-one, 8-[2-O-[(2S,3S)-2-amino-3-methyl-1-oxopentyl]-β-D-glucopyranosyl]-7-hydroxy-3-(4-hydroxyphenyl)-  
FS STEREOSEARCH  
MF C27 H31 N O10  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



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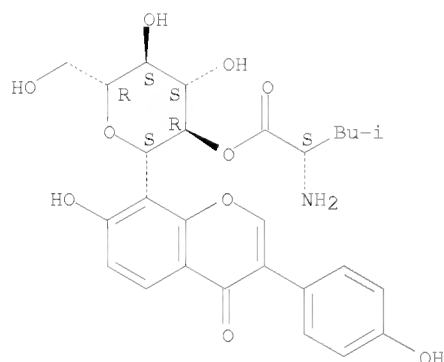
10/563,471

L3 ANSWER 6 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1116448-93-1 REGISTRY  
ED Entered STN: 06 Mar 2009  
CN L-Leucine, 2'-ester with 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)

OTHER NAMES:

CN 4H-1-Benzopyran-4-one, 8-[2-O-[(2S)-2-amino-4-methyl-1-oxopentyl]- $\beta$ -D-glucopyranosyl]-7-hydroxy-3-(4-hydroxyphenyl)-  
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MF C27 H31 N O10  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



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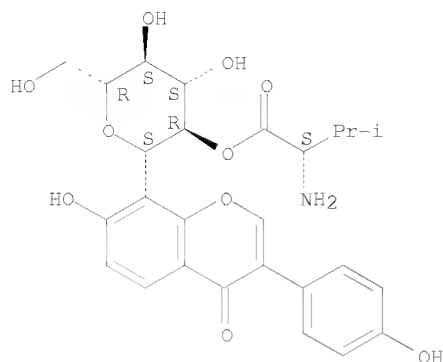
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1116448-91-9 REGISTRY  
ED Entered STN: 06 Mar 2009  
CN L-Valine, 2'-ester with 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)  
OTHER NAMES:  
CN 4H-1-Benzopyran-4-one, 8-[2-O-[(2S)-2-amino-3-methyl-1-oxobutyl]- $\beta$ -D-glucopyranosyl]-7-hydroxy-3-(4-hydroxyphenyl)-  
FS STEREOSEARCH  
MF C26 H29 N O10  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



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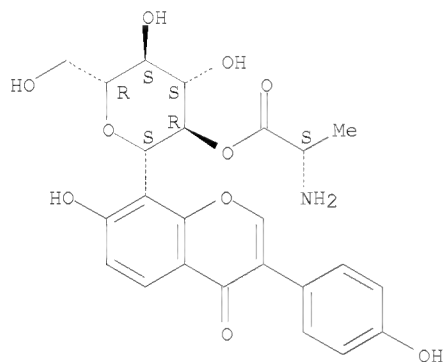


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1116448-89-5 REGISTRY  
ED Entered STN: 06 Mar 2009  
CN L-Alanine, 2'-ester with 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)  
OTHER NAMES:  
CN 4H-1-Benzopyran-4-one, 8-[2-O-[(2S)-2-amino-1-oxopropyl]- $\beta$ -D-glucopyranosyl]-7-hydroxy-3-(4-hydroxyphenyl)-  
FS STEREOSEARCH  
MF C24 H25 N O10  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



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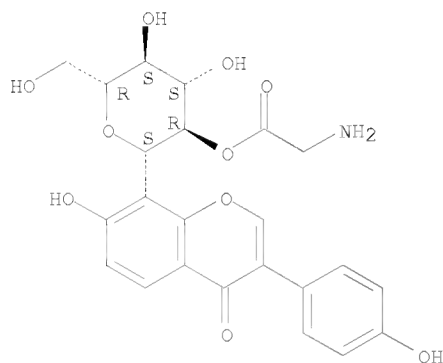
L3 ANSWER 9 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1116448-87-3 REGISTRY  
ED Entered STN: 06 Mar 2009  
CN Glycine, 2'-ester with 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)  
OTHER NAMES:  
CN 4H-1-Benzopyran-4-one, 8-[2-O-(2-aminoacetyl)- $\beta$ -D-glucopyranosyl]-7-hydroxy-3-(4-hydroxyphenyl)-

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FS STEREOSEARCH  
MF C23 H23 N O10  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

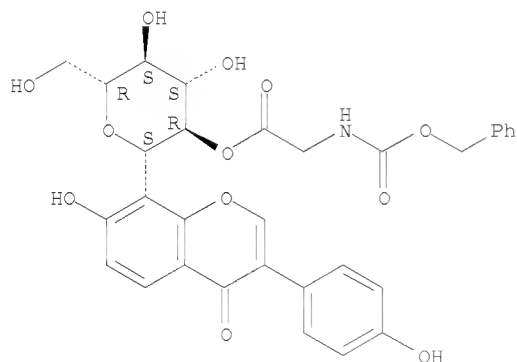
L3 ANSWER 10 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1116448-85-1 REGISTRY  
ED Entered STN: 06 Mar 2009  
CN Glycine, N-[(phenylmethoxy)carbonyl]-, 2'-ester with  
8-β-D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-  
one (CA INDEX NAME)

OTHER NAMES:

CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[2-O-[2-  
[[[(phenylmethoxy)carbonyl]amino]acetyl]-β-D-glucopyranosyl]-

FS STEREOSEARCH  
MF C31 H29 N O12  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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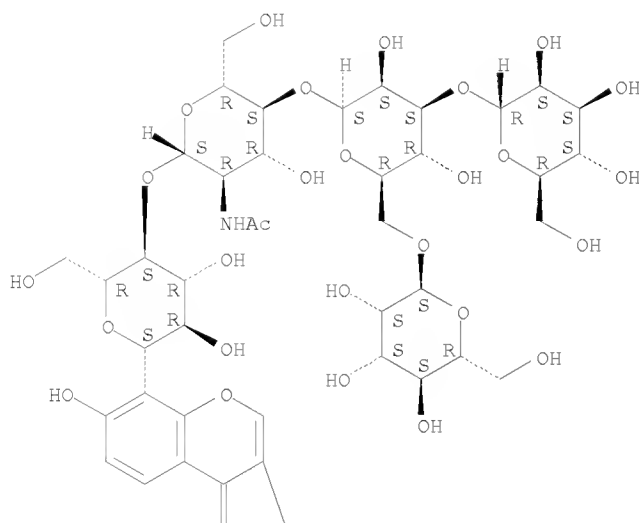
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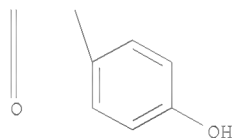
L3 ANSWER 11 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
 RN 1093135-90-0 REGISTRY  
 ED Entered STN: 09 Jan 2009  
 CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[O- $\alpha$ -D-mannopyranosyl-(1 $\rightarrow$ 3)-O- $\alpha$ -D-mannopyranosyl-(1 $\rightarrow$ 6)]-O- $\beta$ -D-mannopyranosyl-(1 $\rightarrow$ 4)-O-2-(acetylamino)-2-deoxy- $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucopyranosyl]- (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C47 H63 N O29  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



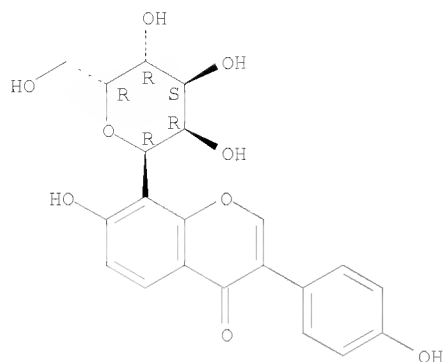
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
 RN 1069117-57-2 REGISTRY  
 ED Entered STN: 31 Oct 2008  
 CN INDEX NAME NOT YET ASSIGNED  
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 MF C21 H20 O9  
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 LC STN Files: CA, CAPLUS, TOXCENTER

Relative stereochemistry.

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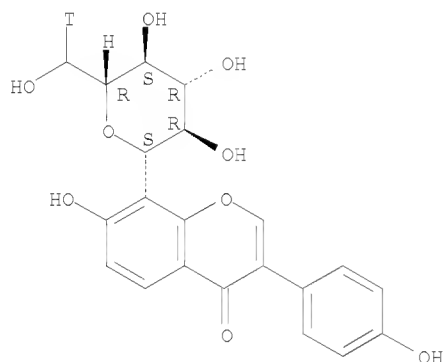


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 13 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1029605-76-2 REGISTRY  
ED Entered STN: 20 Jun 2008  
CN 4H-1-Benzopyran-4-one, 8-( $\beta$ -D-glucopyranosyl)-6-C-t)-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C21 H19 O9 T  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



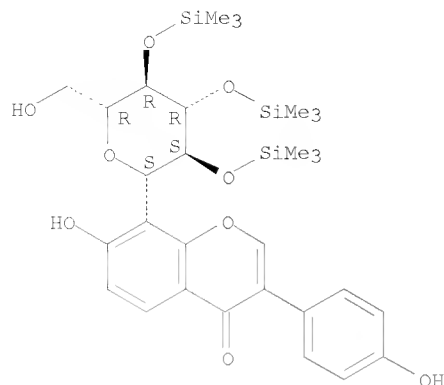
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 14 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1029605-72-8 REGISTRY  
ED Entered STN: 20 Jun 2008  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[2,3,4-tris-O-(trimethylsilyl)- $\beta$ -D-glucopyranosyl]- (CA INDEX NAME)  
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SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

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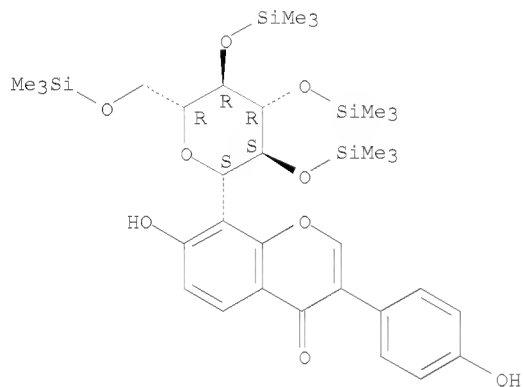


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 15 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1029605-69-3 REGISTRY  
ED Entered STN: 20 Jun 2008  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[2,3,4,6-tetrakis-O-(trimethylsilyl)-β-D-glucopyranosyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
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Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

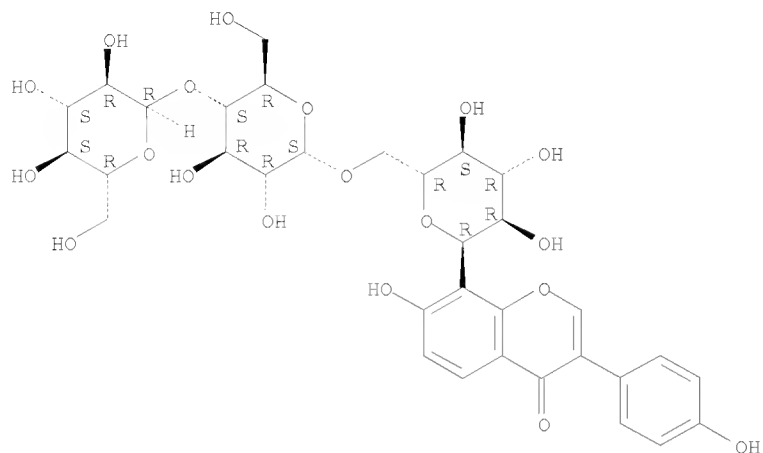
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 16 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1009040-97-4 REGISTRY  
ED Entered STN: 20 Mar 2008  
CN 4H-1-Benzopyran-4-one, 8-(O-α-D-glucopyranosyl-(1→4)-O-α-D-glucopyranosyl-(1→6)-α-D-glucopyranosyl)-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
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LC STN Files: CA, CAPLUS

McIntosh

10/563,471

Absolute stereochemistry.

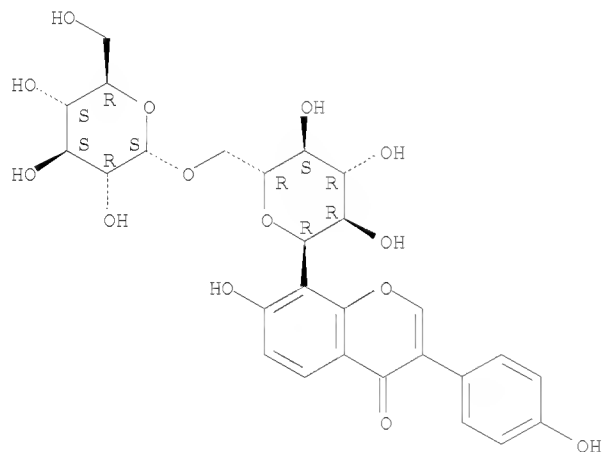


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 17 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 1009040-95-2 REGISTRY  
ED Entered STN: 20 Mar 2008  
CN 4H-1-Benzopyran-4-one, 8-(6-O- $\alpha$ -D-glucopyranosyl- $\alpha$ -D-glucopyranosyl)-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C27 H30 O14  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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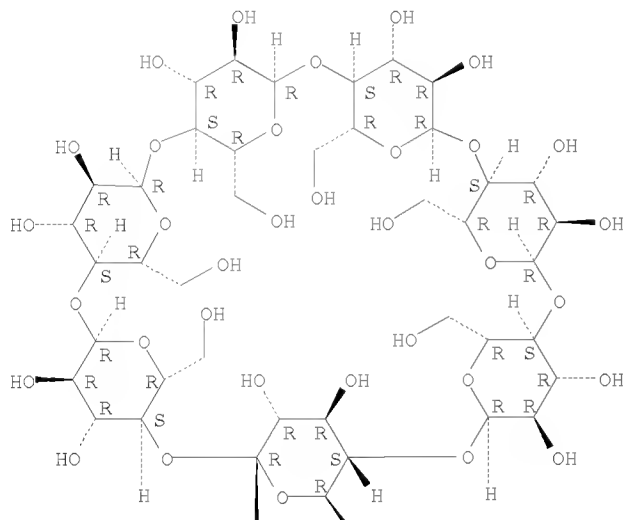
L3 ANSWER 18 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 942997-02-6 REGISTRY  
ED Entered STN: 20 Jul 2007  
CN  $\beta$ -Cyclodextrin, compd. with 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one (1:1) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C42 H70 O35 . C21 H20 O9  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 7585-39-9  
CMF C42 H70 O35

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



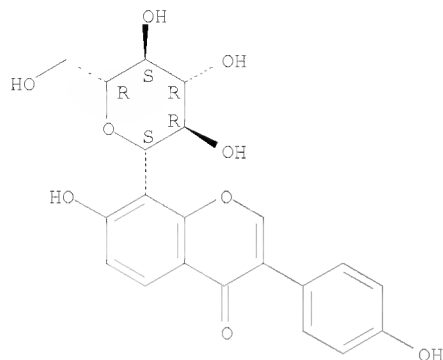
CM 2

CRN 3681-99-0  
CMF C21 H20 O9

Absolute stereochemistry.

McIntosh

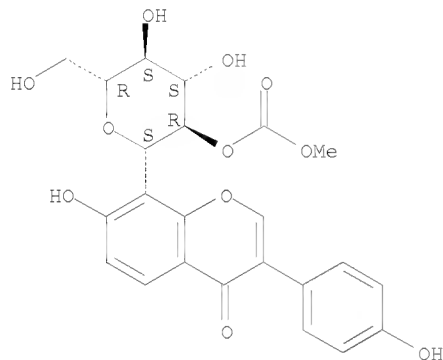
10/563,471



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 19 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 934696-16-9 REGISTRY  
ED Entered STN: 14 May 2007  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[2-O-(methoxycarbonyl)-β-D-glucopyranosyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C23 H22 O11  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

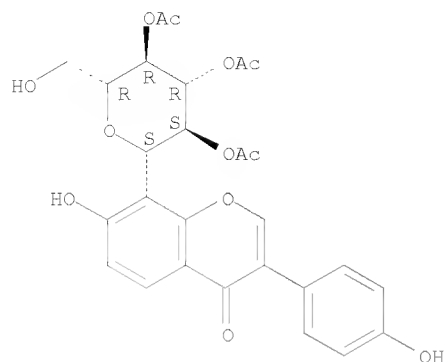
L3 ANSWER 20 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 934696-14-7 REGISTRY  
ED Entered STN: 14 May 2007  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-(2,3,4-tri-O-acetyl-β-D-glucopyranosyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C27 H26 O12  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

McIntosh



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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

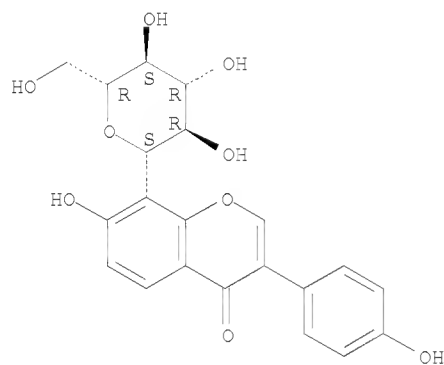
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 21 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 909910-86-7 REGISTRY  
ED Entered STN: 09 Oct 2006  
CN L-Arginine, mixt. with 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Puerarin-L-arginine mixt.  
FS STEREOSEARCH  
MF C21 H20 O9 . C6 H14 N4 O2  
CI MXS  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 3681-99-0  
CMF C21 H20 O9

Absolute stereochemistry.



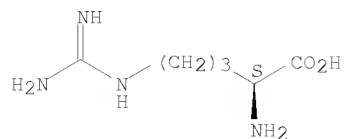
CM 2

CRN 74-79-3  
CMF C6 H14 N4 O2

Absolute stereochemistry.

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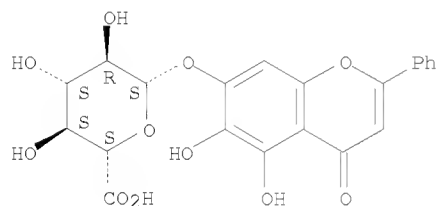
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 22 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 908562-08-3 REGISTRY  
ED Entered STN: 26 Sep 2006  
CN  $\beta$ -D-Glucopyranosiduronic acid,  
5,6-dihydroxy-4-oxo-2-phenyl-4H-1-benzopyran-7-yl, mixt. with  
2-aminoethanesulfonic acid and 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-  
hydroxyphenyl)-4H-1-benzopyran-4-one (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C21 H20 O9 . C21 H18 O11 . C2 H7 N O3 S  
CI MXS  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 21967-41-9  
CMF C21 H18 O11

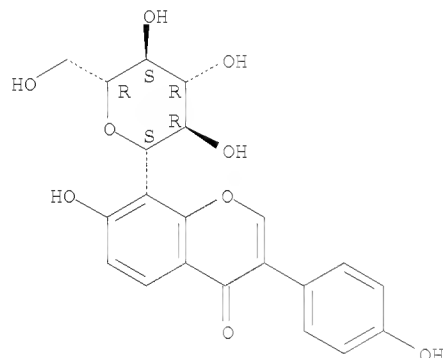
Absolute stereochemistry.



CM 2

CRN 3681-99-0  
CMF C21 H20 O9

Absolute stereochemistry.



CM 3

CRN 107-35-7  
CMF C2 H7 N O3 S

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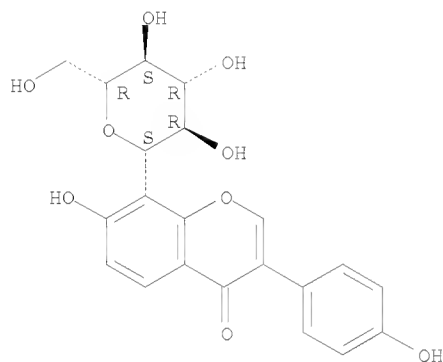
10/563,471

H<sub>2</sub>N-CH<sub>2</sub>-CH<sub>2</sub>-SO<sub>3</sub>H

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 23 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 905916-36-1 REGISTRY  
ED Entered STN: 06 Sep 2006  
CN 4H-1-Benzopyran-4-one, 8-β-D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-, dipotassium salt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Puerarin dipotassium salt  
FS STEREOSEARCH  
MF C21 H20 O9 . 2 K  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER  
CRN (3681-99-0)

Absolute stereochemistry.



● 2 K

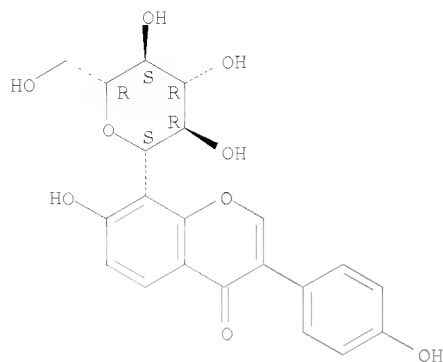
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 24 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 905916-34-9 REGISTRY  
ED Entered STN: 06 Sep 2006  
CN 4H-1-Benzopyran-4-one, 8-β-D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-, disodium salt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Puerarin disodium salt  
FS STEREOSEARCH  
MF C21 H20 O9 . 2 Na  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER  
CRN (3681-99-0)

Absolute stereochemistry.

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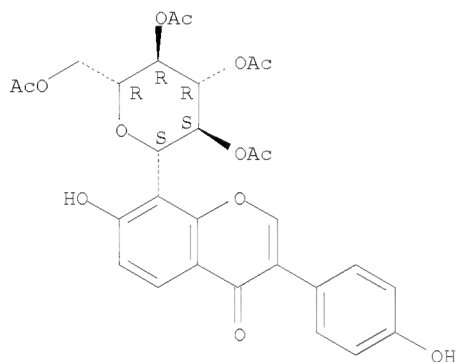


●2 Na

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 25 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 882979-97-7 REGISTRY  
ED Entered STN: 05 May 2006  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-(2,3,4,6-tetra-O-acetyl- $\beta$ -D-glucopyranosyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C29 H28 O13  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

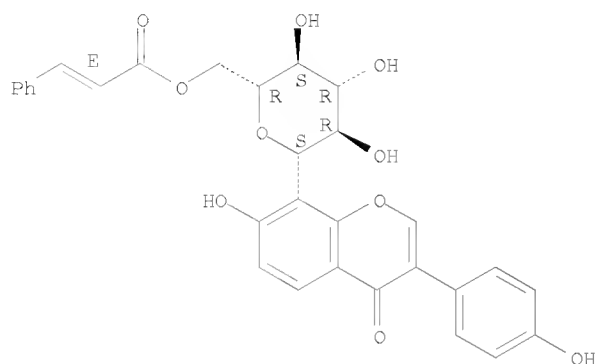
L3 ANSWER 26 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 872426-98-7 REGISTRY  
ED Entered STN: 23 Jan 2006  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[6-O-[(2E)-1-oxo-3-phenyl-2-propen-1-yl]- $\beta$ -D-glucopyranosyl]- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[6-O-[(2E)-1-oxo-3-phenyl-2-propenyl]- $\beta$ -D-glucopyranosyl]- (9CI)  
OTHER NAMES:  
CN 6'''-Cinnamoylpuerarin  
FS STEREOSEARCH  
MF C30 H26 O10

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SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.  
Double bond geometry as shown.

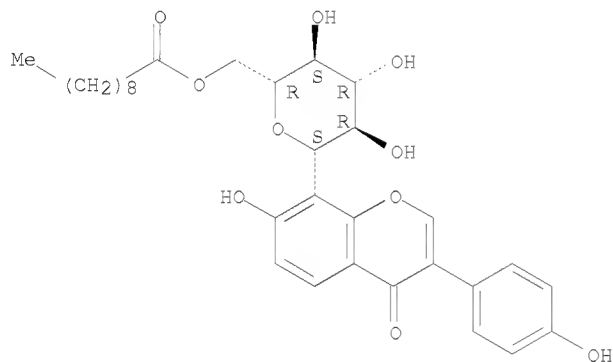


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 27 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 872426-97-6 REGISTRY  
ED Entered STN: 23 Jan 2006  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[6-O-(1-oxodecyl)-  
β-D-glucopyranosyl]- (CA INDEX NAME)  
OTHER NAMES:  
CN 6'''-Decanoylpuerarin  
FS STEREOSEARCH  
MF C31 H38 O10  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

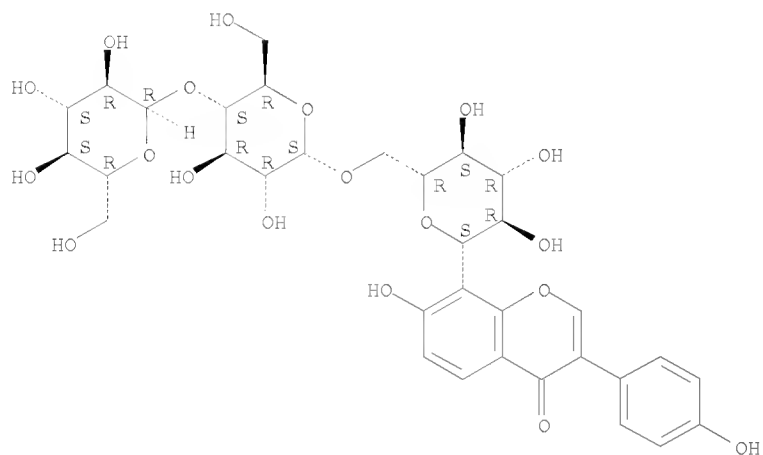
L3 ANSWER 28 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 824959-76-4 REGISTRY  
ED Entered STN: 03 Feb 2005

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CN 4H-1-Benzopyran-4-one, 8-(O- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 4)-O- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 6)- $\beta$ -D-glucopyranosyl)-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C33 H40 O19  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



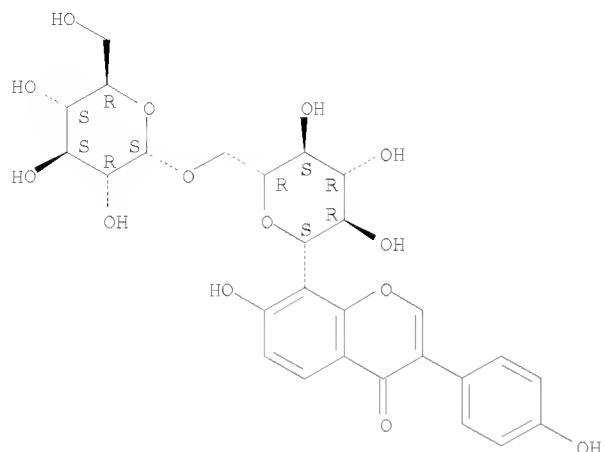
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 29 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 824959-75-3 REGISTRY  
ED Entered STN: 03 Feb 2005  
CN 4H-1-Benzopyran-4-one, 8-(6-O- $\alpha$ -D-glucopyranosyl- $\beta$ -D-glucopyranosyl)-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C27 H30 O14  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

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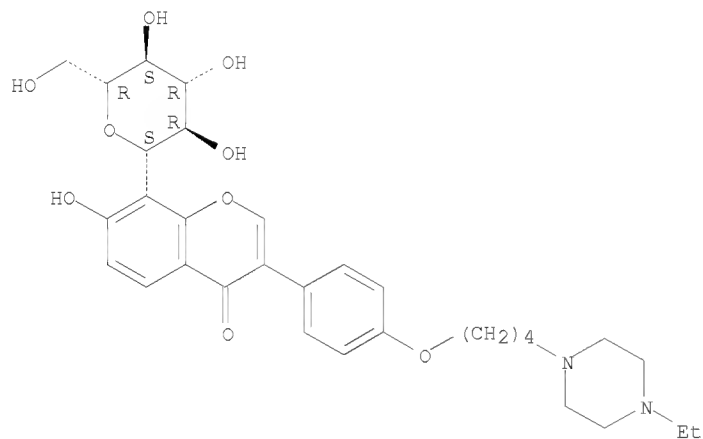


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 30 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-92-4 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 3-[4-[4-(4-ethyl-1-piperazinyl)butoxy]phenyl]-8-  
 $\beta$ -D-glucopyranosyl-7-hydroxy- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C31 H40 N2 O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

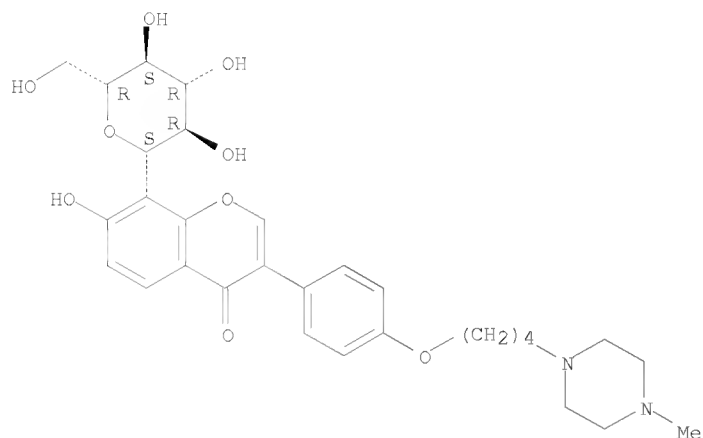
L3 ANSWER 31 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-91-3 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-[4-[4-(4-

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          methyl-1-piperazinyl)butoxy]phenyl]- (CA INDEX NAME)  
FS      STEREOSEARCH  
MF      C30 H38 N2 O9  
SR      CA  
LC      STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

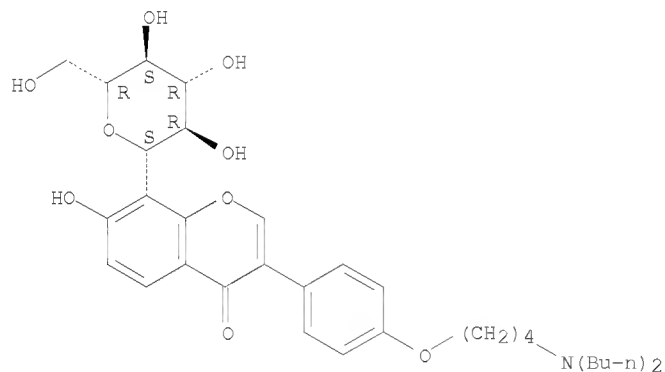


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3      ANSWER 32 OF 57 REGISTRY   COPYRIGHT 2010 ACS on STN  
RN      816423-90-2   REGISTRY  
ED      Entered STN:   19 Jan 2005  
CN      4H-1-Benzopyran-4-one, 3-[4-[4-(dibutylamino)butoxy]phenyl]-8-beta-D-  
          glucopyranosyl-7-hydroxy- (CA INDEX NAME)  
FS      STEREOSEARCH  
MF      C33 H45 N 09  
SR      CA  
LC      STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

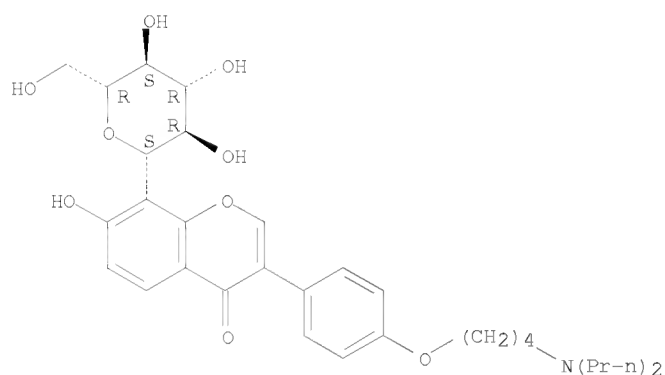
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L3 ANSWER 33 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-89-9 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 3-[4-[4-(dipropylamino)butoxy]phenyl]-8- $\beta$ -D-glucopyranosyl-7-hydroxy- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C31 H41 N O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

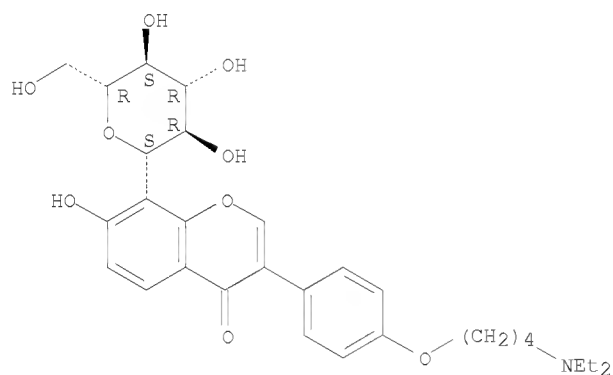


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 34 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-88-8 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 3-[4-[4-(diethylamino)butoxy]phenyl]-8- $\beta$ -D-glucopyranosyl-7-hydroxy- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C29 H37 N O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

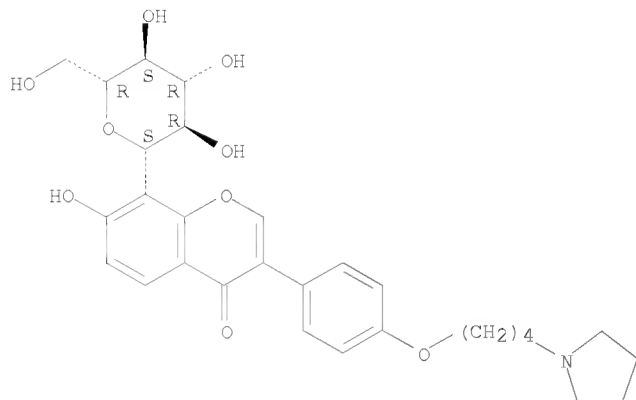
L3 ANSWER 35 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN

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RN 816423-87-7 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-[4-[4-(1-pyrrolidinyl)butoxy]phenyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C29 H35 N O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

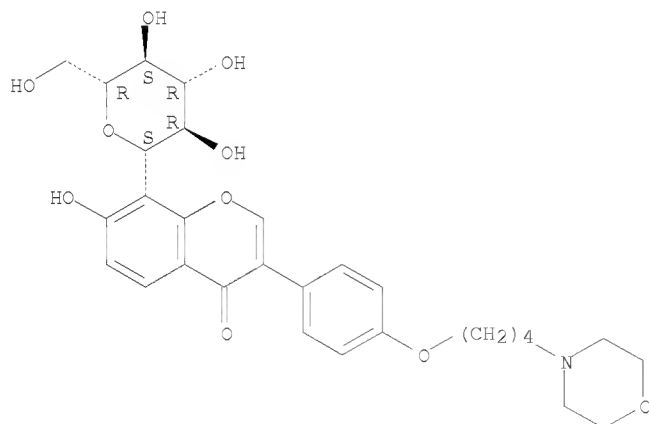


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 36 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-86-6 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-[4-[4-(4-morpholinyl)butoxy]phenyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C29 H35 N O10  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



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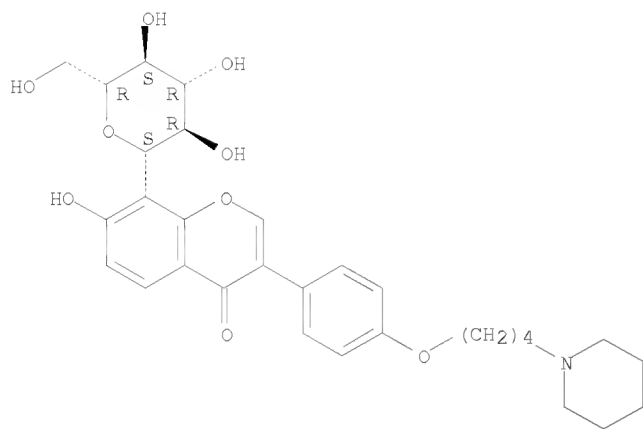
10/563,471

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 37 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-85-5 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-[4-[4-(1-piperidinyl)butoxy]phenyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C30 H37 N O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



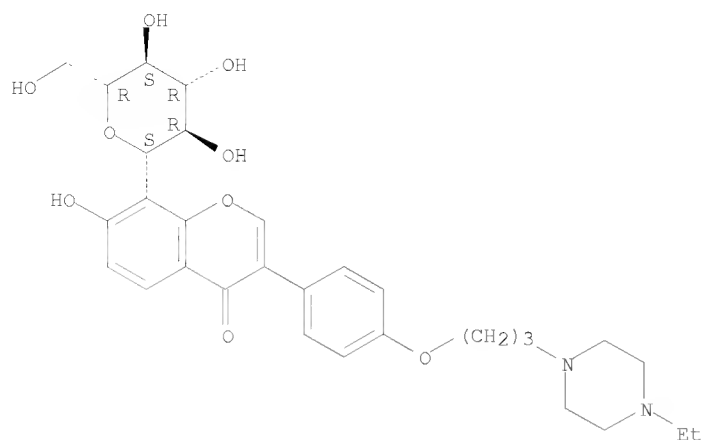
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 38 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-84-4 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 3-[4-[3-(4-ethyl-1-piperazinyl)propoxy]phenyl]-8- $\beta$ -D-glucopyranosyl-7-hydroxy- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C30 H38 N2 O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

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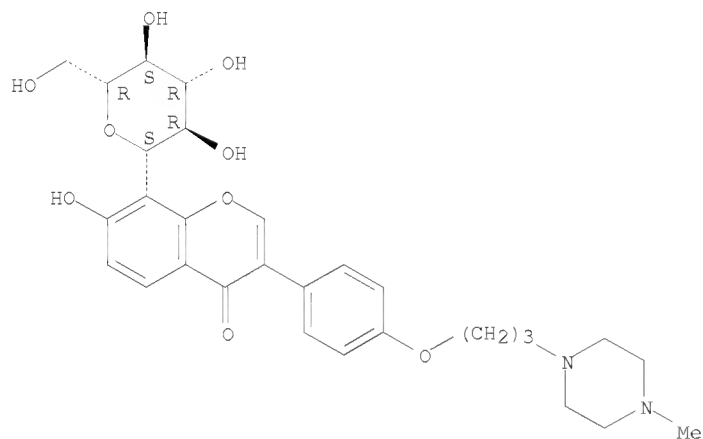


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 39 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-83-3 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 8-β-D-glucopyranosyl-7-hydroxy-3-[4-[3-(4-methyl-1-piperazinyl)propoxy]phenyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C29 H36 N2 O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

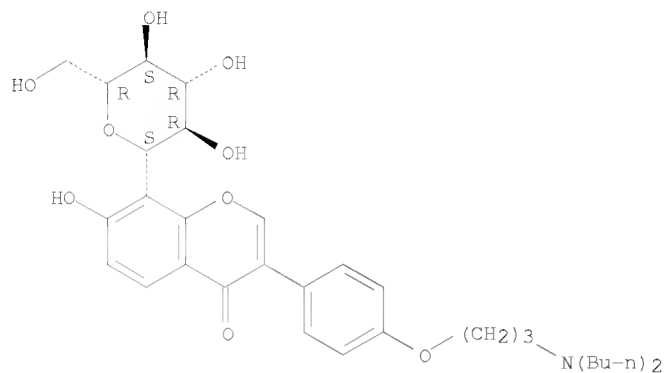
L3 ANSWER 40 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-82-2 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 3-[4-[3-(dibutylamino)propoxy]phenyl]-8-β-D-glucopyranosyl-7-hydroxy- (CA INDEX NAME)

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FS STEREOSEARCH  
MF C32 H43 N O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

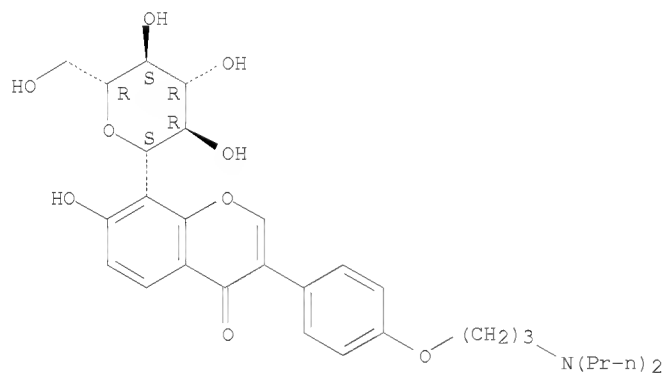


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 41 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-81-1 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 3-[4-[3-(dipropylamino)propoxy]phenyl]-8-β-D-glucopyranosyl-7-hydroxy- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C30 H39 N O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

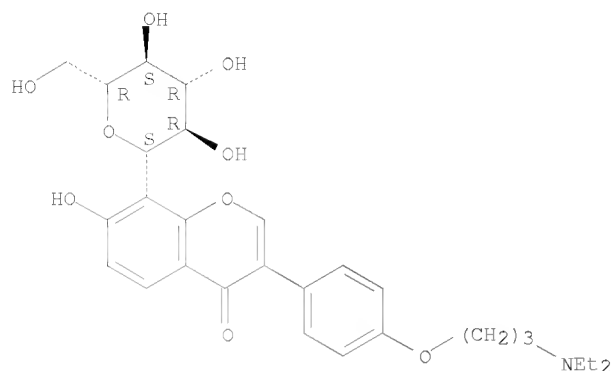
L3 ANSWER 42 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-80-0 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 3-[4-[3-(diethylamino)propoxy]phenyl]-8-β-D-glucopyranosyl-7-hydroxy- (CA INDEX NAME)  
FS STEREOSEARCH

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MF C28 H35 N O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

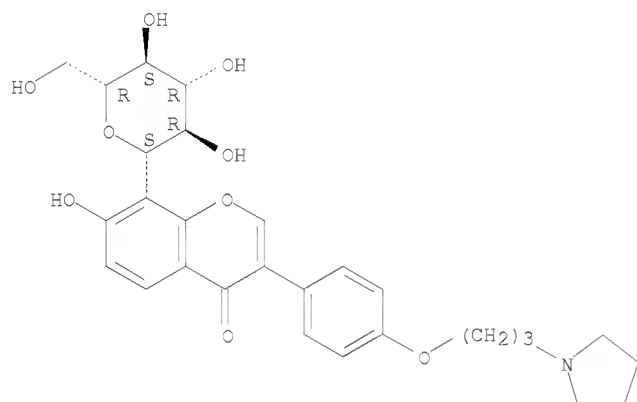


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 43 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-79-7 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 8-β-D-glucopyranosyl-7-hydroxy-3-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C28 H33 N O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

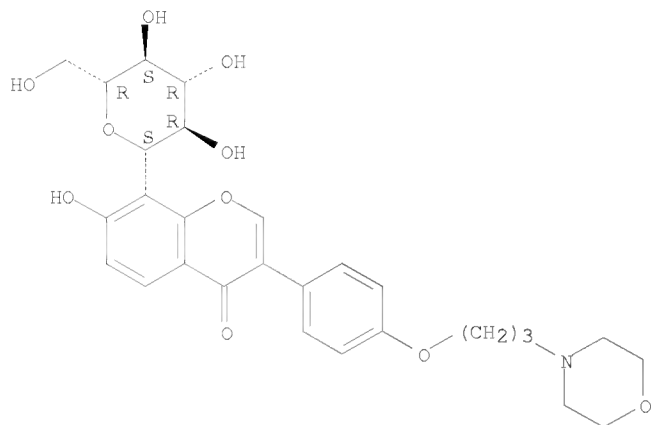
L3 ANSWER 44 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-78-6 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 8-β-D-glucopyranosyl-7-hydroxy-3-[4-[3-(4-morpholinyl)propoxy]phenyl]- (CA INDEX NAME)

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FS STEREOSEARCH  
MF C28 H33 N O10  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

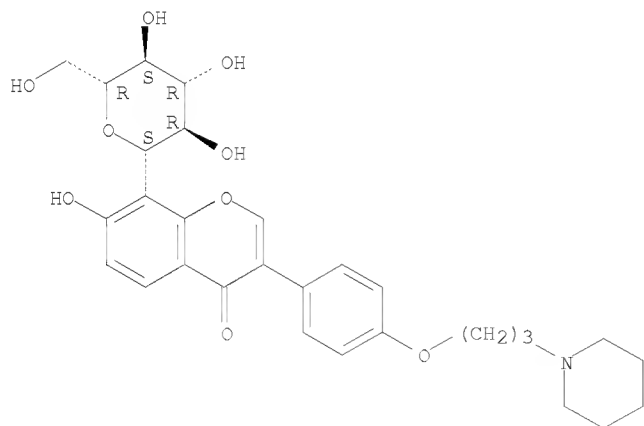


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 45 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 816423-77-5 REGISTRY  
ED Entered STN: 19 Jan 2005  
CN 4H-1-Benzopyran-4-one, 8-β-D-glucopyranosyl-7-hydroxy-3-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C29 H35 N O9  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

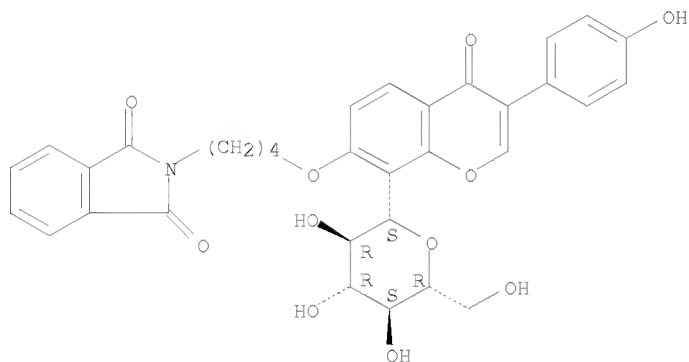
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1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 46 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 640275-77-0 REGISTRY  
ED Entered STN: 22 Jan 2004  
CN 4H-1-Benzopyran-4-one, 7-[4-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)butoxy]-8- $\beta$ -D-glucopyranosyl-3-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C33 H31 N O11  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.

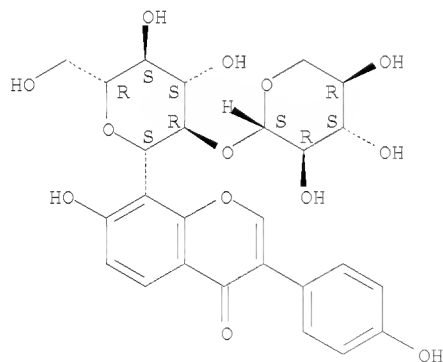


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 47 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 249512-95-6 REGISTRY  
ED Entered STN: 30 Nov 1999  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-(2-O- $\beta$ -D-xylopyranosyl- $\beta$ -D-glucopyranosyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C26 H28 O13  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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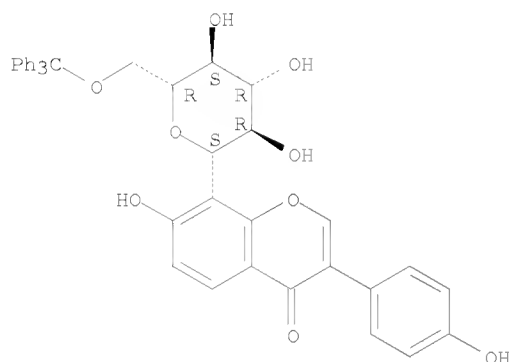


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1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 48 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 241824-68-0 REGISTRY  
ED Entered STN: 27 Sep 1999  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[6-O-(triphenylmethyl)- $\beta$ -D-glucopyranosyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C40 H34 O9  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

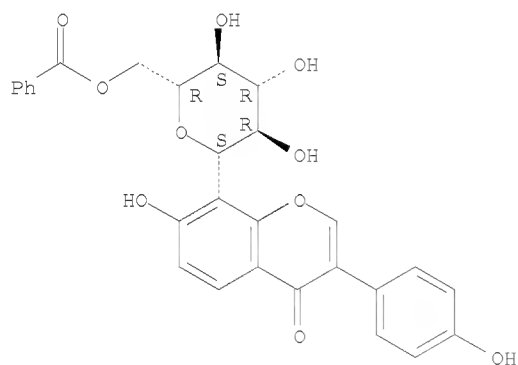


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 49 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 241824-67-9 REGISTRY  
ED Entered STN: 27 Sep 1999  
CN 4H-1-Benzopyran-4-one, 8-(6-O-benzoyl- $\beta$ -D-glucopyranosyl)-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C28 H24 O10  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

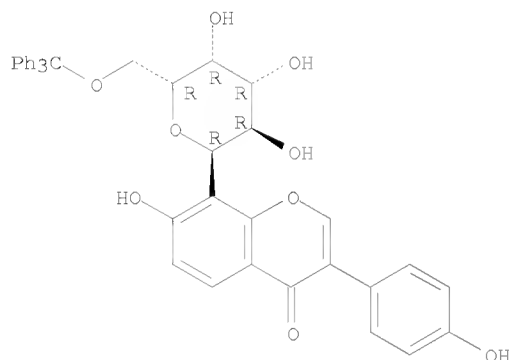
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1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 50 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 240131-06-0 REGISTRY  
ED Entered STN: 18 Sep 1999  
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)-8-[6-O-(triphenylmethyl)- $\alpha$ -D-galactopyranosyl]- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C40 H34 O9  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

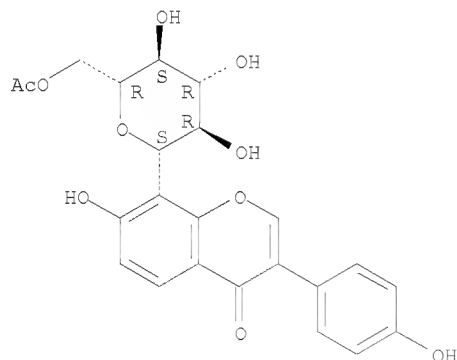


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 51 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 206358-03-4 REGISTRY  
ED Entered STN: 04 Jun 1998  
CN 4H-1-Benzopyran-4-one, 8-(6-O-acetyl- $\beta$ -D-glucopyranosyl)-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
OTHER NAMES:  
CN 6''-O-Acetylpuerarin  
FS STEREOSEARCH  
MF C23 H22 O10  
SR CAS Client Services  
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

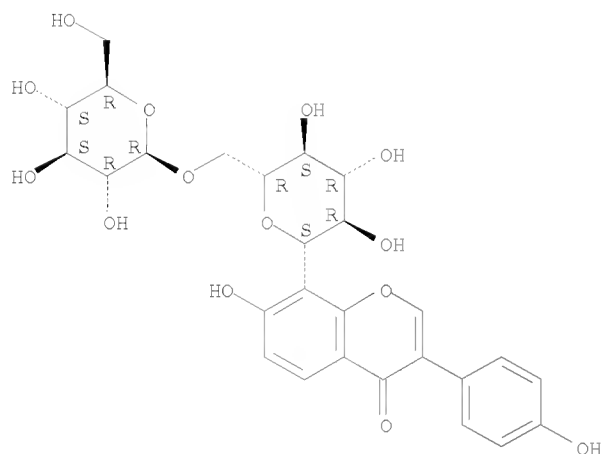
McIntosh

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3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 52 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 168060-90-0 REGISTRY  
ED Entered STN: 26 Sep 1995  
CN 4H-1-Benzopyran-4-one, 8-(6-O- $\beta$ -D-glucopyranosyl- $\beta$ -D-glucopyranosyl)-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
FS STEREOSEARCH  
MF C27 H30 O14  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

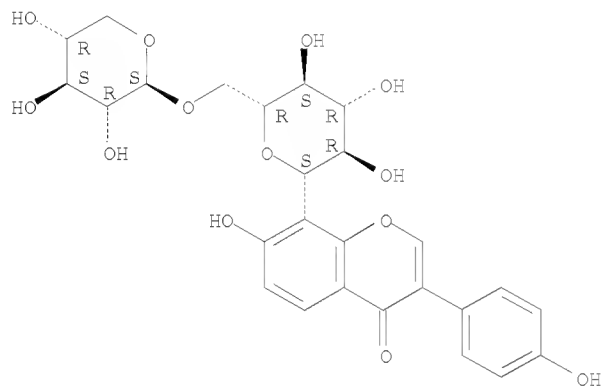
L3 ANSWER 53 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 147899-32-9 REGISTRY  
ED Entered STN: 03 Jun 1993  
CN 4H-1-Benzopyran-4-one, 8-[6-O-(carboxyacetyl)- $\beta$ -D-glucopyranosyl]-7-hydroxy-3-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Propanedioic acid, 6'-ester with 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one  
FS STEREOSEARCH  
MF C24 H22 O12  
SR CA  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

Absolute stereochemistry.

The chemical structure shows a pyranose ring substituted with a carboxylic acid group (HO<sub>2</sub>C-CH<sub>2</sub>-C(=O)-O-), a hydroxyl group (OH), and a coumarin derivative. The coumarin derivative consists of a benzene ring fused to a pyrone ring, which is further substituted with a phenyl group (C<sub>6</sub>H<sub>5</sub>) and a hydroxyl group (OH). Stereochemistry is indicated with 'R' and 'S' labels and wedged/dashed bonds.

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Absolute stereochemistry.



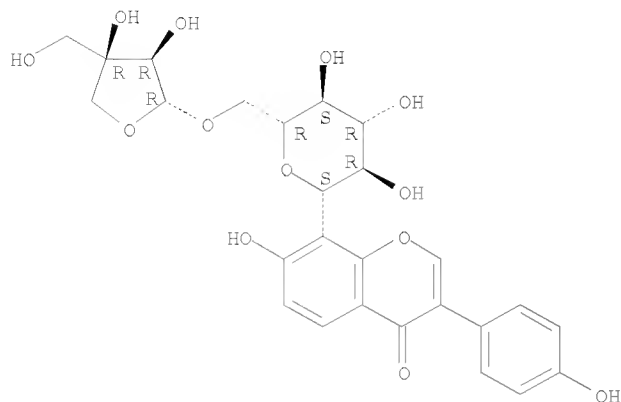
8 REFERENCES IN FILE CA (1907 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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SR CA  
LC STN Files: ANABSTR, CA, CAPLUS, NAPRALERT, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

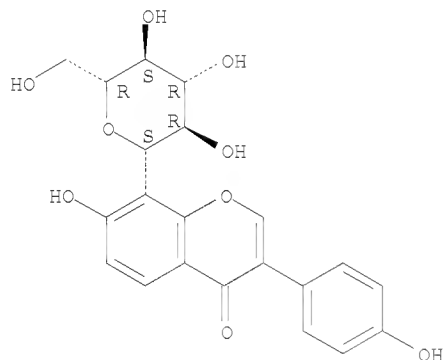
20 REFERENCES IN FILE CA (1907 TO DATE)  
20 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 56 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 88418-04-6 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 4H-1-Benzopyran-4-one, 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)-, monomethyl ether (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C22 H22 O9  
CI IDS  
LC STN Files: CA, CAPLUS

CM 1

CRN 3681-99-0  
CMF C21 H20 O9

Absolute stereochemistry.



CM 2

CRN 67-56-1  
CMF C H4 O

McIntosh

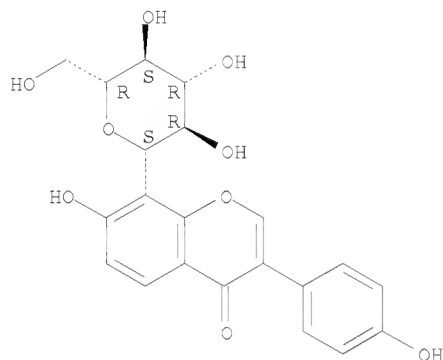
10/563,471

H<sub>3</sub>C-OH

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 57 OF 57 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 3681-99-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 4H-1-Benzopyran-4-one, 8- $\beta$ -D-glucopyranosyl-7-hydroxy-3-(4-hydroxyphenyl)- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Puerarin (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN Kakonein  
CN NPI 031G  
FS STEREOSEARCH  
MF C21 H20 O9  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSChem, DDFU, DRUGU, EMBASE, IPA, MEDLINE, NAPRALERT, PROMT, RTECS\*, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1691 REFERENCES IN FILE CA (1907 TO DATE)  
30 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1719 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 640275-77-0/rn  
L5 1 640275-77-0/RN

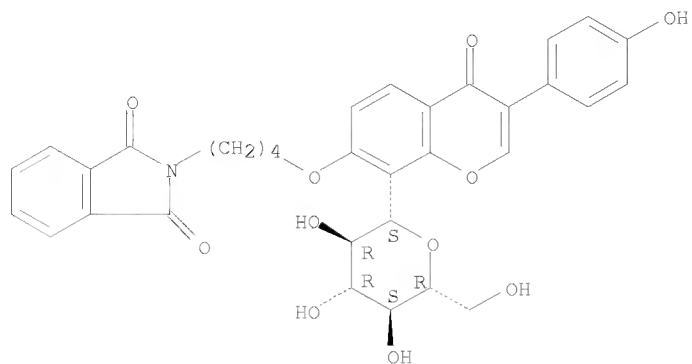
=> d scan

L5 1 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN 4H-1-Benzopyran-4-one, 7-[4-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)butoxy]-8- $\beta$ -D-glucopyranosyl-3-(4-hydroxyphenyl)- (9CI)  
MF C33 H31 N O11

Absolute stereochemistry.

McIntosh

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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED